Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/01/2015 09:27 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124274	-1	2.15	124116	2.15
Blue	F	SSC	125000	123527	-2	2.95	124506	2.76
Blue	E	FITC	17998	17273	-5	2.36	974	8.37
Blue	D	PE	23234	22747	-3	1.98	1026	7.42
Blue	B	PerCP-Cy5-5	69571	68451	-2	2.65	1809	12.14
Blue	A	PE-Cy7	77815	76847	-2	3.68	1007	22.86
Red	C	APC	65936	65769	-1	2.41	3711	7.80
Red	A	APC-Cy7	100669	100666	-1	2.47	1993	7.51
Violet	B	V450	10405	9911	-5	3.63	616	8.26
Violet	A	V500	47250	45884	-3	3.34	2593	5.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19713	9.06	587	8	N/A	N/A	Pass
Blue	F	SSC	61782	1.89	501	12	N/A	N/A	Pass
Blue	E	FITC	106	31.65	518	3	0.0280	0	Pass
Blue	D	PE	213	21.53	511	4	0.1930	78	Pass
Blue	B	PerCP-Cy5-5	221	36.06	595	5	0.0130	0	Pass
Blue	A	PE-Cy7	77	86.68	651	5	0.0176	3	Pass
Red	C	APC	347	25.10	577	-1	0.0228	0	Pass
Red	A	APC-Cy7	126	35.11	558	-1	0.0053	563	Pass
Violet	B	V450	65	41.18	460	10	0.0430	1555	Pass
Violet	A	V500	169	20.45	500	12	0.0146	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.46	-31.29	0.73
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.20
Red	17.31	13.07 - 19.61	N/A	N/A	31.88	32.12	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 12806

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments